

AMENDMENTS

In the claims:

- 1-18. (canceled).
19. (amended) A method for obtaining a protein from a transgenic host plant, wherein the gene coding for said protein is not expressed until said transgenic host plant has been harvested, said method comprising the steps of:
- a) obtaining a transgenic host plant comprising a gene coding for a protein ~~such that wherein the said~~ gene is functionally linked to an anaerobically inducible promoter and said gene is only expressed upon anaerobic induction; in the presence of a chemical inductor;
 - b) cultivating said transgenic host plant;
 - ~~b) c)~~ c) harvesting said transgenic host plant thereby obtaining harvested transgenic host plant tissue;
 - ~~e) d)~~ d) transferring contacting said harvested transgenic host plant tissue into with said chemical inductor in a reaction container via a gas phase surrounding said harvested transgenic host plant, wherein the gas in said gas phase is rapidly displaced by said chemical inductor in its gaseous form; and
 - e) displacing the gas phase in said reaction container by introducing a gaseous inductor selected from the group consisting of nitrogen and carbon dioxide into said reaction container;
 - f) expressing said protein in said harvested transgenic host plant tissue by anaerobic induction of said anaerobically inducible promoter; and
 - ~~e) g)~~ g) recovering isolating said expressed protein from said harvested transgenic host plant.
- 20-22. (canceled)
23. (amended) The method of claim 22 ~~19~~, wherein said promoter is ~~the~~ GapC4 or Adh1 promoter.
- 24 (previously presented) The method of claim 19, wherein said gene is capable of being expressed by compensating for the functional inhibition of one of the translation and transcription of said gene.
- 25-27. (canceled)

28. (previously presented) The method of claim 19, wherein said gene is capable of being expressed by compensating for the effect of one of transcriptional, post-transcriptional, translational, and post-translation repressors.
29. (previously presented) The method of claim 19, wherein said transgenic host plant is selected from the group consisting of wheat, barley, corn, sugar beet, sugar cane, potato, brassicaceae, leguminous plant, and tobacco.
30. (new) The method of claim 29, wherein the transgenic host plant is a potato.
31. (new) The method of claim 19, wherein the protein is selected from the group consisting of therapeutic diagnostic and material proteins.
32. (new) The method of claim 31, wherein the protein is of human or animal origin.
33. (new) The method of claim 32, wherein the protein is an antibody.